

# ***1997***

# ***Mortality Report***

*for Nursing Facilities  
and Related Institutions*

*January 1, 1997 -- December 31, 1997*



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# **1997 MORTALITY REPORT FOR NURSING FACILITIES AND RELATED INSTITUTIONS**

**Prepared by**

**THE TEXAS DEPARTMENT OF HEALTH  
Bureau of Vital Statistics**

**and**

**THE TEXAS DEPARTMENT OF HUMAN SERVICES  
Long Term Care-Regulatory**

# EXECUTIVE SUMMARY

\* In 1997, there were 26,025 deaths among residents of licensed Texas nursing facilities and related institutions (NF&RIs). Nearly two-thirds of all NF&RI resident deaths were female (n=17,186, 66.0 percent).

\* The majority of deaths among residents of NF&RIs were of individuals 60 years of age or older (n=25,068 deaths, 96.3 percent of deaths). Less than one tenth of one percent of NF&RI resident deaths were among individuals 21 years of age or younger (n=23 deaths).

\* From birth to age 69, male deaths outnumbered female deaths. From age 70 on, female deaths outnumbered male deaths. By the age of 80, there were almost twice as many female deaths as male deaths.

\* Most deaths occurred during the daytime and evening hours: 34.7 percent of deaths occurred between 7 a.m. and 2:59 p.m., and 33.7 percent occurred between 3 p.m. and 10:59 p.m.

\* The vast majority, 82.4 percent of NF&RI resident deaths, occurred at the facility, while 11.9 percent died after transferring from the facility to a hospital. Eight tenths of a percent of NF&RI resident deaths occurred while enroute to a hospital, and 1.4 percent occurred in other locations.

\* Among individuals 60 years of age or older, diseases of the heart caused approximately one-third of all deaths among both residents and non-residents of NF&RIs. Another approximately one-quarter of deaths among residents and approximately one-third of deaths among non-residents 60 years or older were caused by malignant neoplasms (cancer) and cerebrovascular diseases combined. However, a larger proportion of deaths among residents of NF&RIs were due to cerebrovascular diseases (13.2 percent of resident deaths compared to 6.9 percent of non-resident deaths), while a larger proportion of deaths among non-residents were due to cancer (25.2 percent of non-resident deaths compared to 14.4 percent of resident deaths).

\* Less than one percent of deaths among NF&RI residents 60 years of age or older were due to accidents, suicide and homicide combined, while 2.8 percent of deaths among non-residents were due to these three causes. Fractures, suffocations, and strangulations accounted for 58.7 percent of accidental deaths among residents of NF&RIs, compared to 29.1 percent of accidental deaths among non-residents.

# **1997 MORTALITY REPORT FOR NURSING FACILITIES AND RELATED INSTITUTIONS**

This summary of deaths among residents of nursing facilities and related institutions (NF&RIs) licensed by the state of Texas is required by Section 242.134 of the Health and Safety code. In 1991, the 72nd Texas Legislature amended Section 242.134 of the Health and Safety code to change the method of reporting deaths of residents of NF&RIs. Prior to the amendment, facilities were required to make a complete report of each resident's death to the Bureau of Long Term Care, Texas Department of Health<sup>1</sup>, which included the decedent's name, age, sex, and race; the cause of death; the time, date, and place of death; and the name and address of the facility in which the decedent resided.

The amended legislation (effective September 1, 1991) and the subsequent rules (25 TAC 145.97 effective February 1, 1992 / 40 TAC 90.127 effective September 1, 1993) recognized two important points. The first point was that much of the information previously collected from facilities was also reported on the death certificate. The second point was that, quite often, the facility had no way of knowing the official, underlying cause of death prior to submitting the death report. Facilities reported only the immediate cause of death, which was often inaccurate and provided vague or ill-defined conditions. The death certificate was, and is, the appropriate place to obtain the official and accurate cause of death, taking into account all contributing factors.

The amended legislation reduced the information collected from facilities to the name and social security number of the decedent, the date of death, and the name and address of the facility in which the decedent resided. The legislation also required the Texas Department of Human Services in cooperation with the Texas Department of Health to produce statistical reports describing patterns and trends in causes of death among residents of NF&RIs. In order to produce the reports, it was necessary to develop the capability to match and combine information collected from facilities by Long Term Care-Regulatory, Texas Department of Human Services, with information collected on death certificates by the Bureau of Vital Statistics, Texas Department of Health.

This report and subsequent reports are a cooperative effort between Long Term Care-Regulatory, Texas Department of Human Services and the Bureau of Vital Statistics, Texas Department of Health, through an interagency agreement. This information is available to the public upon request.

<sup>1</sup>The Bureau of Long Term Care, Texas Department of Health was moved to the Texas Department of Human Services on September 1, 1993 and was renamed Long Term Care-Regulatory.

## **METHODS**

For every death in the state of Texas, a certificate of death must be filed with the local registrar by the person in charge of interment or of removal of the body from the district (usually the funeral director) no later than ten days after the date of death. Data collected on the death certificate include the decedent's name, age, sex, and city and county of residence; the date and place of death; and all causal conditions or circumstances which led to or contributed to the death. When death results from an external cause (accident, suicide or homicide), further information is collected on the circumstances of the injury. A copy of the death certificate is retained by the local registrar in the county in which the death occurred, and the original death certificate is forwarded to the Texas Department of Health, Bureau of Vital Statistics (BVS), where it is checked for completeness and accuracy by the Records Receiving, Nosology and Statistical Services branches of the Bureau.

The cause of death is established using the Ninth Revision of the International Classification of Diseases (ICD-9). Each cause and contributing factor listed on a death certificate is categorized and coded according to the ICD-9. The single underlying cause of death is then determined through the use of a computer algorithm developed by the National Center for Health Statistics, the Automated Classification of Medical Entities, which takes into account the multiple causal factors and all medical information listed on the certificate. The process of coding cause of death is very complex. It requires highly trained staff to use the ICD-9 rules to evaluate and code the multiple morbid and related medical

conditions reported by the certifier of the death (physician, medical examiner or coroner). The accuracy and completeness of reporting by the certifier impacts the quality of the derived underlying cause of death. Although the certification process and the classification conventions are not exact sciences, they are the universally accepted method of classifying causes of death.

Nursing facilities and related institutions (NF&RIs) licensed by the state of Texas must report residents' deaths to the Texas Department of Human Services (TDHS) within 10 working days after the last day of the month in which a resident of the institution dies. Residents who were transferred from the facility to a hospital and who died within 24 hours must also be reported. The deaths reported to TDHS by NF&RIs are matched to the BVS death certificate file. Records from the TDHS file which could not be matched to the death certificate file are manually searched for discrepancies (spelling of the decedent's name, date of death, incorrect social security number, etc.) which might have prevented a match. Records matched in this manner are corrected in the TDHS database and subsequently matched back to the BVS death certificate file. BVS death records which indicate the decedent may have been a resident of a nursing facility or related institution but which could not be matched to a record in the TDHS database are returned to the facility for verification and correction. Records verified as deaths of NF&RI residents are returned to TDHS for entry into the file; records which indicate that the decedent was not a resident of a licensed nursing facility or related institution are corrected in the BVS death file.

As noted in the 1992 report, it is difficult to match data files from different sources. In 1992, 17,466 deaths were reported by NF&RIs; 17,239 (98.7 percent) of these deaths were matched to original death certificates. In 1993, 25,009 deaths were reported by NF&RI facilities; 24,865 (99.4 percent) of these deaths were matched to original death certificates, an increase of 44.2 percent over the number of matched deaths in 1992. In 1994, 25,500 deaths were reported by NF&RI facilities and 25,312 (99.3 percent) were matched to death certificates, an increase of 1.8 percent over the number of matched deaths in 1993. Both for 1995 and 1996, the number of deaths matched remained at 99.2%. In 1995, 26,035 deaths were reported by NF&RI facilities and 25,830 were matched to death certificates. For 1996, 27,236 deaths were reported and 27,011 matched. In 1997, 26,382 deaths were reported by NF&RI facilities and 26,025 were matched to death certificates (98.6 percent). For this report, only the 26,025 matched deaths in 1997 from the two reporting systems are used.

Patterns in causes of death are often described using crude mortality rates and cause-specific mortality rates. Both of these statistics relate the number of deaths (total deaths for the crude rate, deaths due to a particular cause for the cause-specific rate) which occurred during a specified time period (typically one year) to the number of individuals in the relevant population group. However, it is difficult to obtain an accurate count of all NF&RI residents to use as the population base for these rates, and therefore crude and cause-specific mortality rates for residents of NF&RIs are not presented in this report. Instead, we use the percent distribution of deaths according to cause of death to describe patterns in cause of death among NF&RI residents, and to compare NF&RI residents' deaths with deaths among non-residents of NF&RIs. The percent distribution is calculated as the number of deaths due to a specific cause divided by the total number of deaths, and then multiplied by 100. It is important to note that patterns in causes of death vary widely according to age group. Because the majority of NF&RI residents are 60 years of age and older, cause of death comparisons between residents and non-residents of NF&RIs are shown only for individuals who were 60 years of age or older at the time of death.

The tabulations presented in this report are for deaths among residents of nursing facilities and related institutions licensed by the state of Texas. Data are provided for the state and for the 11 human services regions. Deaths among residents of NF&RIs are tabulated according to the human services region in which the facility is located; deaths among non-residents of NF&RIs (the comparison group) are tabulated according to the human services region in which the decedent resided.

## GLOSSARY

**Bureau of Vital Statistics (BVS):** The office within the Texas Department of Health charged with the implementation of the Texas Vital Statistics Law (Texas Health and Safety Code, Title 3). Functions within the Bureau include the registration, preparation, transcription, collection, compilation, and preservation of data pertaining to births, adoptions, legitimations, deaths, stillbirths, marital status, and data incidental thereto.

**Cause of death:** Any condition which leads to or contributes to death and is classifiable according to the ninth revision of The International Classification of Diseases (ICD-9).

**External cause of death:** Death caused by Accidents and Adverse Effects (ICD-9 codes E800-E949), Suicide (E950-E959), Homicide and Legal Intervention (E960-E978), and other outside causes (E980-E999).

**ICD-9:** The International Classification of Diseases, 9th revision. A system for classifying diseases and injuries developed by the World Health Organization and used worldwide to improve comparability of cause of death statistics reported from different countries. The ninth revision has been in use since January 1, 1979.

**Licensed facility:** An institution as defined in the Health & Safety Code 242.002, and includes a nursing facility and a facility serving persons with mental retardation or related conditions.

**Long Term Care-Regulatory:** The division within the Texas Department of Human Services that has the regulatory authority/responsibility for all licensed facilities.

**Nosology:** The division of the Bureau of Vital Statistics that classifies, for statistical purposes, the causes of death (based on the ICD-9) for deaths that occur in Texas and deaths of Texas residents that occur outside of Texas; the branch of medical science that deals with the classification of diseases.

**Nursing facility (NF):** An establishment that provides food, shelter, and nursing care to four or more persons who are unrelated to the owner of the establishment and that provides minor treatment under the direction and supervision of a physician licensed by the Texas State Board of Medical Examiners, or other services that meet some need beyond the basic provision of food, shelter, or laundry. A nursing facility may be a building, which may consist of one or more floors or one or more units, or may be a distinct part of a hospital licensed by the Texas Department of Human Services as a nursing facility.

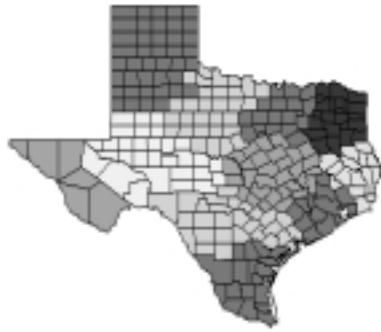
**Related institution (RI):** An establishment as defined in the Health & Safety Code, Section 242.002 and includes a facility serving persons with mental retardation or a related condition.

**Skilled nursing facility (SNF):** A nursing facility or distinct part of a facility that is licensed by the Texas Department of Human Services and participates in the Medicare program. Skilled nursing facility requirements apply when a certified facility is billing Medicare for a resident's per diem rate.

**Skilled nursing facility/Nursing facility (SNF/NF):** A facility or part of a facility that is licensed and certified to participate both in the Medicare and Medicaid programs.

**Underlying cause of death:** The disease or injury which initiated the train of morbid events leading directly to death, or the circumstances of the accident or violence which produced the fatal injury.

**1997 MORTALITY TABLES  
FOR  
NURSING FACILITIES  
AND  
RELATED INSTITUTIONS**



# TEXAS TOTAL

## DEMOGRAPHICS<sup>1</sup>

Licensed Facilities **1,869**  
 Licensed Beds **132,439**  
 # Of Deaths **26,025**  
 Mean Age at Death **83.2**

<sup>1</sup> Includes data from licensed nursing facilities and facilities for the mentally retarded.

## TIME OF DEATH BY PLACE OF DEATH

	TOTAL	7a-2:59p	3p-10:59p	11P-5:59a	UKN
Nursing Home	21,147	7,122	6,976	6,564	485
Inpatient	3,066	962	971	933	200
ER/Outpatient	1,249	494	380	302	73
DOA-Hospital	207	66	66	69	6
Other/unk	356	119	114	110	13
<b>TOTAL</b>	<b>26,025</b>	<b>8,763</b>	<b>8,507</b>	<b>7,978</b>	<b>777</b>

## AGE AT DEATH BY MONTH OF DEATH

AGE	TOTAL	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
0-21	23	4	3	2	0	0	2	0	3	1	2	3	3
22-49	376	32	35	30	32	29	33	23	34	22	35	32	39
50-59	540	43	45	49	56	46	36	51	44	34	33	56	47
60-69	1,523	135	135	144	138	120	124	118	119	107	115	129	139
70-79	5,089	471	399	449	416	396	392	436	379	401	417	457	476
80-89	10,924	1,164	954	914	862	836	776	903	777	747	874	1,007	1,110
90+	7,532	748	687	646	618	614	522	572	561	509	603	674	778
<b>TOTAL*</b>	<b>26,025</b>	<b>2,600</b>	<b>2,259</b>	<b>2,236</b>	<b>2,123</b>	<b>2,042</b>	<b>1,886</b>	<b>2,104</b>	<b>1,918</b>	<b>1,825</b>	<b>2,079</b>	<b>2,360</b>	<b>2,593</b>

\*Includes individuals with unknown causes

## CAUSES OF DEATH AMONG INDIVIDUALS 60 YEARS OF AGE AND OLDER, FOR RESIDENTS AND NON-RESIDENTS OF NURSING FACILITIES AND RELATED INSTITUTIONS (NF&RI)

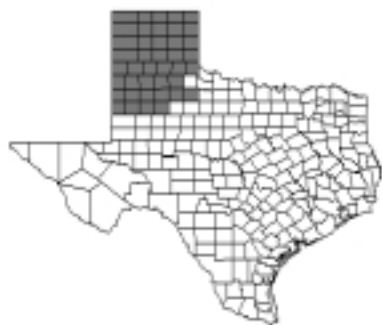
CAUSE	1CD-9 CODE	NF&RI RESIDENTS NUMBER	NF&RI RESIDENTS PERCENT	NF&RI NON-RESIDENTS NUMBER	NF&RI NON-RESIDENTS PERCENT
<b>ALL CAUSES</b>		25,068	100.00	85,119	100.00
<b>SELECTED NATURAL CAUSES</b>					
Septicemia	038	226	0.90	993	1.17
Malignant Neoplasms	140-208	3,607	14.39	21,479	25.23
Diabetes Mellitus	250	864	3.45	2,991	3.51
Malnutrition	263	76	0.30	145	0.17
Dehydration	276.5	129	0.51	130	0.15
Diseases of Heart	390-398, 402, 404-429	8,403	33.52	29,371	34.51
Hypertension	401, 403	234	0.93	574	0.67
Cerebrovascular Diseases	430-438	3,312	13.21	5,876	6.90
Atherosclerosis	440	389	1.55	457	0.54
Pneumonia & Influenza	480-487	1,190	4.75	2,949	3.46
Chronic Obstructive Pulmonary Disease	490-496	1,262	5.03	4,932	5.79
Ulcer (Stomach & Duodenum)	531-533	31	0.12	250	0.29
Hernia and Intestinal Obstruction	550-553, 560	66	0.26	302	0.35
Chronic Liver Disease	571	105	0.42	861	1.01
Nephritis	580-589	241	0.96	682	0.80
<b>SELECTED EXTERNAL CAUSES</b>					
Accidents (all)	E800-E949	230	0.92	1,890	2.22
Fracture	E887, E888	100	0.40	450	0.53
Drowning	E910.4, E910.8, E910.9	1	0.00	28	0.03
Suffocation/Strangulation	E911-E913	35	0.14	100	0.12
Concussion	E928.9	16	0.06	75	0.09
Suicide	E950-E959	0	0.00	425	0.50
Homicide	E960-E978	2	0.01	89	0.10
<b>ALL OTHER CAUSES</b>		4,701	18.75	10,723	12.63

# TEXAS TOTAL Continued

## NURSING HOME DEATHS BY CAUSE OF DEATH, GENDER AND AGE

		0-21	22-49	50-59	60-69	70-79	80-89	90+	TOTAL *
<b>ALL CAUSES</b>	male	17	221	297	783	2,249	3,632	1,633	8,839
	female	6	155	243	740	2,840	7,292	5,899	17,186
<b>SELECTED NATURAL CAUSES</b>									
Septicemia	male	0	1	3	7	23	24	10	69
	female	0	5	5	5	30	75	52	172
Malignant Neoplasms	male	0	49	108	255	564	604	163	1,744
	female	0	46	94	243	609	801	368	2,162
Diabetes Mellitus	male	0	7	19	45	99	98	42	310
	female	0	9	14	53	175	233	119	603
Malnutrition	male	0	0	1	2	1	8	7	19
	female	0	0	0	0	7	23	28	58
Dehydration	male	0	0	0	2	5	14	12	33
	female	0	0	0	2	10	38	46	96
Diseases of Heart	male	1	18	45	175	611	1,129	637	2,618
	female	2	15	41	145	744	2,507	2,455	5,911
(Cardiac Arrest < 62 yrs)	male	1	3	2	2	-	-	-	8
	female	2	1	3	1	-	-	-	7
Hypertension	male	0	0	5	7	17	38	18	85
	female	0	0	3	7	24	65	58	157
Cerebrovascular Diseases	male	0	5	16	64	248	433	193	959
	female	0	11	19	69	369	1,092	844	2,405
Atherosclerosis	male	0	0	1	5	28	51	30	116
	female	0	0	0	1	27	109	138	275
Pneumonia & Influenza	male	1	6	6	21	73	202	95	406
	female	0	3	4	22	93	347	337	806
Chronic Obstructive Pulmonary Disease	male	0	2	5	52	175	244	83	561
	female	1	4	8	49	211	316	132	723
Ulcer (Stomach & Duodenum)	male	0	0	1	0	1	6	4	12
	female	0	0	0	0	3	9	8	21
Hernia and Intestinal Obstruction	male	0	0	2	1	5	8	6	22
	female	0	0	0	1	9	16	20	46
Chronic Liver Disease	male	0	16	19	21	17	11	2	86
	female	0	3	5	11	29	10	4	62
Nephritis	male	0	0	0	7	18	42	29	96
	female	0	0	4	3	17	54	71	150
<b>SELECTED EXTERNAL CAUSES</b>									
Accidents (all)	male	1	19	8	10	16	30	20	104
	female	0	12	2	9	13	79	53	168
Fracture	male	0	0	0	0	5	12	13	30
	female	0	0	0	0	5	39	26	70
Drowning	male	0	0	0	0	0	0	0	0
	female	0	0	0	0	0	0	1	1
Suffocation/Strangulation	male	0	0	1	3	0	4	3	11
	female	0	2	0	5	1	13	6	27
Concussion	male	0	1	2	1	3	2	2	11
	female	0	1	0	0	1	3	4	9
Suicide	male	0	1	0	0	0	0	0	1
	female	0	0	0	0	0	0	0	0
Homicide	male	1	4	0	0	0	0	0	5
	female	0	1	0	0	1	0	1	3
<b>ALL OTHER CAUSES</b>									
	male	13	93	58	109	348	690	282	1,593
	female	3	46	44	120	469	1,518	1,165	3,368

\*Total includes individuals with unknown ages.



# REGION 1

## DEMOGRAPHICS<sup>1</sup>

Licensed Facilities **114**  
 Licensed Beds **7,117**  
 # Of Deaths **1,303**  
 Mean Age at Death **82.9**

<sup>1</sup> Includes data from licensed nursing facilities and facilities for the mentally retarded.

## TIME OF DEATH BY PLACE OF DEATH

	TOTAL	7a-2:59p	3p-10:59p	11P-5:59a	UKN
Nursing Home	1,134	391	350	347	47
Inpatient	117	38	30	39	10
ER/Outpatient	38	16	13	2	7
DOA-Hospital	1	0	1	0	0
Other/unk	13	3	4	5	1
<b>TOTAL</b>	<b>1,303</b>	<b>448</b>	<b>398</b>	<b>392</b>	<b>65</b>

## AGE AT DEATH BY MONTH OF DEATH

AGE	TOTAL	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
0-21	3	0	1	1	0	0	1	0	0	0	0	0	0
22-49	22	0	1	3	0	0	2	3	0	2	2	7	2
50-59	36	4	2	4	4	1	2	4	4	1	1	6	3
60-69	84	7	5	13	8	6	7	7	6	6	8	3	8
70-79	211	20	13	16	22	13	12	17	20	17	17	20	24
80-89	559	67	55	57	46	42	30	37	35	36	44	48	62
90+	388	43	22	36	23	28	27	34	16	34	27	44	54
<b>TOTAL*</b>	<b>1,303</b>	<b>141</b>	<b>99</b>	<b>130</b>	<b>103</b>	<b>90</b>	<b>81</b>	<b>102</b>	<b>81</b>	<b>96</b>	<b>99</b>	<b>128</b>	<b>153</b>

\*Includes individuals with unknown causes

## CAUSES OF DEATH AMONG INDIVIDUALS 60 YEARS OF AGE AND OLDER, FOR RESIDENTS AND NON-RESIDENTS OF NURSING FACILITIES AND RELATED INSTITUTIONS (NF&RI)

CAUSE	1CD-9 CODE	NF&RI RESIDENTS NUMBER	NF&RI RESIDENTS PERCENT	NF&RI NON-RESIDENTS NUMBER	NF&RI NON-RESIDENTS PERCENT
<b>ALL CAUSES</b>		1,242	100.00	4,252	100.00
<b>SELECTED NATURAL CAUSES</b>					
Septicemia	038	10	0.81	40	0.94
Malignant Neoplasms	140-208	158	12.72	991	23.31
Diabetes Mellitus	250	41	3.30	128	3.01
Malnutrition	263	5	0.40	6	0.14
Dehydration	276.5	5	0.40	9	0.21
Diseases of Heart	390-398, 402, 404-429	421	33.90	1,406	33.07
Hypertension	401, 403	9	0.72	34	0.80
Cerebrovascular Diseases	430-438	133	10.71	286	6.73
Atherosclerosis	440	32	2.58	26	0.61
Pneumonia & Influenza	480-487	59	4.75	155	3.65
Chronic Obstructive Pulmonary Disease	490-496	73	5.88	323	7.60
Ulcer (Stomach & Duodenum)	531-533	1	0.08	13	0.31
Hernia and Intestinal Obstruction	550-553, 560	4	0.32	25	0.59
Chronic Liver Disease	571	10	0.81	37	0.87
Nephritis	580-589	16	1.29	31	0.73
<b>SELECTED EXTERNAL CAUSES</b>					
Accidents (all)	E800-E949	14	1.13	113	2.66
Fracture	E887, E888	8	0.64	31	0.73
Drowning	E910.4, E910.8, E910.9	2	0.16	0	0.00
Suffocation/Strangulation	E911-E913	1	0.08	4	0.09
Concussion	E928.9	0	0.00	4	0.09
Suicide	E950-E959	0	0.00	22	0.52
Homicide	E960-E978	0	0.00	2	0.05
<b>ALL OTHER CAUSES</b>		251	20.21	605	14.23

# REGION 1 Continued

## NURSING HOME DEATHS BY CAUSE OF DEATH, GENDER AND AGE

		0-21	22-49	50-59	60-69	70-79	80-89	90+	TOTAL *
<b>ALL CAUSES</b>	male	3	9	22	43	99	193	102	471
	female	0	13	14	41	112	366	286	832
<b>SELECTED NATURAL CAUSES</b>									
Septicemia	male	0	0	1	0	0	1	2	4
	female	0	0	0	0	0	2	5	7
Malignant Neoplasms	male	0	1	8	12	21	30	13	85
	female	0	2	4	9	18	38	17	88
Diabetes Mellitus	male	0	1	2	2	6	4	4	19
	female	0	0	2	3	7	10	5	27
Malnutrition	male	0	0	0	0	0	3	2	5
	female	0	0	0	0	0	3	2	5
Dehydration	male	0	0	0	0	0	0	3	3
	female	0	0	0	0	0	1	1	2
Diseases of Heart	male	0	1	1	7	24	57	41	131
	female	0	0	4	17	29	125	121	296
(Cardiac Arrest < 62 yrs)	male	0	0	0	0	-	-	-	0
	female	0	0	0	1	-	-	-	1
Hypertension	male	0	0	0	0	0	1	0	1
	female	0	0	0	1	0	4	3	8
Cerebrovascular Diseases	male	0	1	0	4	12	21	8	46
	female	0	2	0	2	14	43	29	90
Atherosclerosis	male	0	0	0	0	1	5	3	9
	female	0	0	0	0	2	8	13	23
Pneumonia & Influenza	male	0	0	0	1	4	12	5	22
	female	0	1	0	1	4	16	16	38
Chronic Obstructive Pulmonary Disease	male	0	0	1	9	13	21	2	46
	female	0	0	2	2	9	13	4	30
Ulcer (Stomach & Duodenum)	male	0	0	0	0	0	0	0	0
	female	0	0	0	0	0	0	1	1
Hernia and Intestinal Obstruction	male	0	0	0	0	0	0	1	1
	female	0	0	0	0	0	1	2	3
Chronic Liver Disease	male	0	2	2	1	1	1	0	7
	female	0	0	0	1	5	0	1	7
Nephritis	male	0	0	0	0	1	2	4	7
	female	0	0	0	0	0	6	3	9
<b>SELECTED EXTERNAL CAUSES</b>									
Accidents (all)	male	0	1	1	0	1	3	1	7
	female	0	4	0	0	0	5	4	13
Fracture	male	0	0	0	0	1	2	1	4
	female	0	0	0	0	0	2	2	4
Drowning	male	0	0	0	0	0	0	0	0
	female	0	0	0	0	0	0	0	0
Suffocation/Strangulation	male	0	0	0	0	0	0	0	0
	female	0	1	0	0	0	2	0	3
Concussion	male	0	0	0	0	0	1	0	1
	female	0	0	0	0	0	0	0	0
Suicide	male	0	0	0	0	0	0	0	0
	female	0	0	0	0	0	0	0	0
Homicide	male	0	0	0	0	0	0	0	0
	female	0	0	0	0	0	0	0	0
<b>ALL OTHER CAUSES</b>	male	3	2	6	7	15	35	15	83
	female	0	4	2	5	24	91	59	185

\*Total includes individuals with unknown ages.



## REGION 2

### DEMOGRAPHICS<sup>1</sup>

Licensed Facilities **134**  
 Licensed Beds **9,174**  
 # Of Deaths **1,420**  
 Mean Age at Death **84.2**

<sup>1</sup> Includes data from licensed nursing facilities and facilities for the mentally retarded.

### TIME OF DEATH BY PLACE OF DEATH

	TOTAL	7a-2:59p	3p-10:59p	11P-5:59a	UKN
Nursing Home	1,116	371	392	333	20
Inpatient	225	79	70	60	16
ER/Outpatient	49	18	16	13	2
DOA-Hospital	7	1	1	3	2
Other/unk	23	5	12	6	0
<b>TOTAL</b>	<b>1,420</b>	<b>474</b>	<b>491</b>	<b>415</b>	<b>40</b>

### AGE AT DEATH BY MONTH OF DEATH

AGE	TOTAL	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
0-21	1	0	0	0	0	0	0	0	0	0	0	1	0
22-49	10	0	2	0	1	1	0	1	1	0	1	1	2
50-59	17	0	4	3	1	0	0	1	2	1	1	0	4
60-69	71	4	7	11	3	2	4	5	9	6	5	6	9
70-79	263	26	18	27	21	13	19	20	21	25	22	24	27
80-89	608	78	48	38	44	49	35	41	43	49	51	57	75
90+	449	47	52	43	32	30	37	32	30	29	39	42	36
<b>TOTAL*</b>	<b>1,420</b>	<b>155</b>	<b>131</b>	<b>122</b>	<b>102</b>	<b>96</b>	<b>95</b>	<b>100</b>	<b>106</b>	<b>110</b>	<b>119</b>	<b>131</b>	<b>153</b>

\*Includes individuals with unknown causes

### CAUSES OF DEATH AMONG INDIVIDUALS 60 YEARS OF AGE AND OLDER, FOR RESIDENTS AND NON-RESIDENTS OF NURSING FACILITIES AND RELATED INSTITUTIONS (NF&RI)

CAUSE	1CD-9 CODE	NF&RI RESIDENTS NUMBER	NF&RI RESIDENTS PERCENT	NF&RI NON-RESIDENTS NUMBER	NF&RI NON-RESIDENTS PERCENT
<b>ALL CAUSES</b>		1,391	100.00	3,598	100.00
<b>SELECTED NATURAL CAUSES</b>					
Septicemia	038	12	0.86	24	0.67
Malignant Neoplasms	140-208	184	13.23	888	24.68
Diabetes Mellitus	250	44	3.16	117	3.25
Malnutrition	263	6	0.43	7	0.19
Dehydration	276.5	3	0.22	3	0.08
Diseases of Heart	390-398, 402, 404-429	476	34.22	1,207	33.55
Hypertension	401, 403	14	1.01	25	0.69
Cerebrovascular Diseases	430-438	186	13.37	291	8.09
Atherosclerosis	440	32	2.30	26	0.72
Pneumonia & Influenza	480-487	62	4.46	140	3.89
Chronic Obstructive Pulmonary Disease	490-496	58	4.17	250	6.95
Ulcer (Stomach & Duodenum)	531-533	0	0.00	8	0.22
Hernia and Intestinal Obstruction	550-553, 560	0	0.00	12	0.33
Chronic Liver Disease	571	4	0.29	38	1.06
Nephritis	580-589	12	0.86	34	0.94
<b>SELECTED EXTERNAL CAUSES</b>					
Accidents (all)	E800-E949	13	0.93	101	2.81
Fracture	E887, E888	6	0.43	21	0.58
Drowning	E910.4, E910.8, E910.9	0	0.00	3	0.08
Suffocation/Strangulation	E911-E913	0	0.00	6	0.17
Concussion	E928.9	2	0.14	0	0.00
Suicide	E950-E959	0	0.00	13	0.36
Homicide	E960-E978	0	0.00	0	0.00
<b>ALL OTHER CAUSES</b>		285	20.49	414	11.51

## REGION 2 Continued

### NURSING HOME DEATHS BY CAUSE OF DEATH, GENDER AND AGE

		0-21	22-49	50-59	60-69	70-79	80-89	90+	TOTAL *
<b>ALL CAUSES</b>	male	1	5	7	36	118	203	93	463
	female	0	5	10	35	145	405	356	957
<b>SELECTED NATURAL CAUSES</b>									
Septicemia	male	0	0	0	0	1	2	1	4
	female	0	0	0	0	2	0	6	8
Malignant Neoplasms	male	0	1	2	10	27	26	13	79
	female	0	3	2	12	28	37	31	113
Diabetes Mellitus	male	0	0	0	0	2	3	2	7
	female	0	0	1	6	8	15	8	38
Malnutrition	male	0	0	0	0	0	0	0	0
	female	0	0	0	0	2	2	2	6
Dehydration	male	0	0	0	0	0	0	0	0
	female	0	0	0	0	0	2	1	3
Diseases of Heart	male	0	0	3	9	38	58	36	144
	female	0	0	2	7	51	139	138	338
(Cardiac Arrest < 62 yrs)	male	0	0	0	1	-	-	-	1
	female	0	0	0	0	-	-	-	0
Hypertension	male	0	0	0	0	0	5	1	6
	female	0	0	0	0	1	2	5	8
Cerebrovascular Diseases	male	0	1	0	2	11	33	10	57
	female	0	0	0	4	16	58	52	130
Atherosclerosis	male	0	0	0	0	1	2	4	7
	female	0	0	0	0	1	11	13	25
Pneumonia & Influenza	male	0	0	0	0	4	13	5	22
	female	0	0	0	1	4	20	15	40
Chronic Obstructive Pulmonary Disease	male	0	0	0	3	13	14	3	33
	female	0	0	1	1	5	13	6	26
Ulcer (Stomach & Duodenum)	male	0	0	0	0	0	0	0	0
	female	0	0	0	0	0	0	0	0
Hernia and Intestinal Obstruction	male	0	0	0	0	0	0	0	0
	female	0	0	0	0	0	0	0	0
Chronic Liver Disease	male	0	0	1	0	1	0	0	2
	female	0	0	0	0	2	1	0	3
Nephritis	male	0	0	0	0	1	3	2	6
	female	0	0	0	0	1	2	3	6
<b>SELECTED EXTERNAL CAUSES</b>									
Accidents (all)	male	0	1	0	3	1	1	1	7
	female	0	1	0	0	1	5	1	8
Fracture	male	0	0	0	0	1	1	0	2
	female	0	0	0	0	1	3	0	4
Drowning	male	0	0	0	0	0	0	0	0
	female	0	0	0	0	0	0	0	0
Suffocation/Strangulation	male	0	0	0	0	0	0	0	0
	female	0	0	0	0	0	0	0	0
Concussion	male	0	0	0	0	0	0	1	1
	female	0	1	0	0	0	0	1	2
Suicide	male	0	0	0	0	0	0	0	0
	female	0	0	0	0	0	0	0	0
Homicide	male	0	0	0	0	0	0	0	0
	female	0	0	0	0	0	0	0	0
<b>ALL OTHER CAUSES</b>	male	1	2	1	9	18	43	15	89
	female	0	1	4	4	23	98	75	205

\*Total includes individuals with unknown ages.



## REGION 3

### DEMOGRAPHICS<sup>1</sup>

Licensed Facilities	406
Licensed Beds	30,582
# Of Deaths	6,596
Mean Age at Death	82.7

<sup>1</sup> Includes data from licensed nursing facilities and facilities for the mentally retarded.

### TIME OF DEATH BY PLACE OF DEATH

	TOTAL	7a-2:59p	3p-10:59p	11P-5:59a	UKN
Nursing Home	5,234	1,786	1,767	1,608	73
Inpatient	765	243	258	231	33
ER/Outpatient	386	165	116	92	13
DOA-Hospital	158	52	48	54	4
Other/unk	53	18	17	16	2
<b>TOTAL</b>	6,596	2,264	2,206	2,001	125

### AGE AT DEATH BY MONTH OF DEATH

AGE	TOTAL	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
0-21	2	0	0	0	0	0	0	0	0	0	1	0	1
22-49	120	14	10	9	9	8	12	6	12	6	14	8	12
50-59	138	13	9	10	17	16	12	11	10	11	8	10	11
60-69	421	42	42	36	41	35	30	32	30	35	29	34	35
70-79	1,343	118	100	118	112	109	122	120	90	99	111	131	113
80-89	2,771	286	251	246	224	208	197	258	200	175	211	255	260
90+	1,798	197	160	159	153	151	126	133	137	108	134	162	178
<b>TOTAL*</b>	6,596	671	572	578	556	527	499	560	479	436	508	600	610

\*Includes individuals with unknown causes

### CAUSES OF DEATH AMONG INDIVIDUALS 60 YEARS OF AGE AND OLDER, FOR RESIDENTS AND NON-RESIDENTS OF NURSING FACILITIES AND RELATED INSTITUTIONS (NF&RI)

CAUSE	1CD-9 CODE	NF&RI RESIDENTS NUMBER	NF&RI RESIDENTS PERCENT	NF&RI NON-RESIDENTS NUMBER	NF&RI NON-RESIDENTS PERCENT
<b>ALL CAUSES</b>		6,333	100.00	18,652	100.00
<b>SELECTED NATURAL CAUSES</b>					
Septicemia	038	36	0.57	187	1.00
Malignant Neoplasms	140-208	946	14.94	4,787	25.66
Diabetes Mellitus	250	160	2.53	559	3.00
Malnutrition	263	24	0.38	26	0.14
Dehydration	276.5	38	0.60	28	0.15
Diseases of Heart	390-398, 402, 404-429	2,045	32.29	6,514	34.92
Hypertension	401, 403	53	0.84	126	0.68
Cerebrovascular Diseases	430-438	905	14.29	1,340	7.18
Atherosclerosis	440	74	1.17	94	0.50
Pneumonia & Influenza	480-487	311	4.91	655	3.51
Chronic Obstructive Pulmonary Disease	490-496	365	5.76	1,136	6.09
Ulcer (Stomach & Duodenum)	531-533	9	0.14	63	0.34
Hernia and Intestinal Obstruction	550-553, 560	16	0.25	81	0.43
Chronic Liver Disease	571	24	0.38	172	0.92
Nephritis	580-589	62	0.98	148	0.79
<b>SELECTED EXTERNAL CAUSES</b>					
Accidents (all)	E800-E949	62	0.98	419	2.25
Fracture	E887, E888	20	0.32	113	0.61
Drowning	E910.4, E910.8, E910.9	1	0.02	6	0.03
Suffocation/Strangulation	E911-E913	12	0.19	22	0.12
Concussion	E928.9	5	0.08	18	0.10
Suicide	E950-E959	0	0.00	97	0.52
Homicide	E960-E978	1	0.02	21	0.11
<b>ALL OTHER CAUSES</b>		1,202	18.98	2,199	11.79

# **REGION 3 Continued** **NURSING HOME DEATHS BY CAUSE OF DEATH, GENDER AND AGE**

		0-21	22-49	50-59	60-69	70-79	80-89	90+	TOTAL *
<b>ALL CAUSES</b>	male	1	68	77	225	585	887	354	2198
	female	1	52	61	196	758	1884	1444	4398
<b>SELECTED NATURAL CAUSES</b>									
Septicemia	male	0	0	1	1	4	3	0	10
	female	0	1	0	1	5	16	6	29
Malignant Neoplasms	male	0	16	33	81	137	162	35	464
	female	0	12	19	71	172	204	84	562
Diabetes Mellitus	male	0	0	3	9	19	19	6	56
	female	0	3	3	5	42	47	13	113
Malnutrition	male	0	0	0	1	0	3	5	9
	female	0	0	0	0	3	7	5	15
Dehydration	male	0	0	0	0	2	1	1	4
	female	0	0	0	1	4	12	17	34
Diseases of Heart	male	0	8	9	42	173	246	150	628
	female	1	4	11	34	177	641	582	1451
(Cardiac Arrest < 62 yrs)	male	0	1	1	0	-	-	-	2
	female	1	1	1	0	-	-	-	3
Hypertension	male	0	0	1	3	5	16	2	27
	female	0	0	1	2	4	14	7	28
Cerebrovascular Diseases	male	0	2	5	18	73	106	43	247
	female	0	5	6	19	102	321	223	676
Atherosclerosis	male	0	0	1	3	4	5	5	18
	female	0	0	0	0	3	20	34	57
Pneumonia & Influenza	male	0	1	0	8	17	56	19	101
	female	0	1	1	7	20	102	82	213
Chronic Obstructive Pulmonary Disease	male	0	1	1	12	54	64	16	148
	female	0	2	1	14	68	85	52	222
Ulcer (Stomach & Duodenum)	male	0	0	0	0	0	1	1	2
	female	0	0	0	0	1	3	3	7
Hernia and Intestinal Obstruction	male	0	0	0	1	0	5	0	6
	female	0	0	0	0	1	4	5	10
Chronic Liver Disease	male	0	4	7	7	2	2	0	22
	female	0	0	0	3	5	4	1	13
Nephritis	male	0	0	0	1	4	14	6	25
	female	0	0	2	1	6	12	18	39
<b>SELECTED EXTERNAL CAUSES</b>									
Accidents (all)	male	0	5	5	2	5	6	5	28
	female	0	4	2	5	5	20	14	50
Fracture	male	0	0	0	0	0	0	2	2
	female	0	0	0	0	1	9	8	18
Drowning	male	0	0	0	0	0	0	0	0
	female	0	0	0	0	0	0	1	1
Suffocation/Strangulation	male	0	0	1	1	0	1	1	4
	female	0	0	0	4	0	3	2	9
Concussion	male	0	0	1	1	2	1	1	6
	female	0	0	0	0	0	0	0	0
Suicide	male	0	0	0	0	0	0	0	0
	female	0	0	0	0	0	0	0	0
Homicide	male	0	1	0	0	0	0	0	1
	female	0	1	0	0	0	0	1	2
<b>ALL OTHER CAUSES</b>	male	1	30	11	36	86	178	60	402
	female	0	19	15	33	140	372	297	877

\*Total includes individuals with unknown ages.



## REGION 4

### DEMOGRAPHICS<sup>1</sup>

Licensed Facilities **188**  
 Licensed Beds **14,329**  
 # Of Deaths **2,341**  
 Mean Age at Death **83.5**

<sup>1</sup> Includes data from licensed nursing facilities and facilities for the mentally retarded.

### TIME OF DEATH BY PLACE OF DEATH

	TOTAL	7a-2:59p	3p-10:59p	11P-5:59a	UKN
Nursing Home	1,784	594	602	549	39
Inpatient	374	113	117	113	31
ER/Outpatient	156	52	47	42	15
DOA-Hospital	6	2	2	2	0
Other/unk	21	11	4	5	1
<b>TOTAL</b>	<b>2,341</b>	<b>772</b>	<b>772</b>	<b>771</b>	<b>86</b>

### AGE AT DEATH BY MONTH OF DEATH

AGE	TOTAL	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
0-21	5	2	0	0	0	0	0	0	2	0	0	1	0
22-49	20	1	4	2	3	1	0	1	4	0	1	1	2
50-59	44	4	3	6	6	5	1	5	3	1	2	5	3
60-69	135	15	11	14	11	12	16	4	13	12	6	11	10
70-79	479	39	47	46	32	44	34	40	41	38	40	28	50
80-89	965	102	103	76	75	73	58	79	65	70	82	85	97
90+	690	77	72	49	58	51	42	54	47	53	52	62	73
<b>TOTAL*</b>	<b>2,341</b>	<b>242</b>	<b>240</b>	<b>193</b>	<b>185</b>	<b>186</b>	<b>151</b>	<b>183</b>	<b>176</b>	<b>174</b>	<b>183</b>	<b>193</b>	<b>235</b>

\*Includes individuals with unknown causes

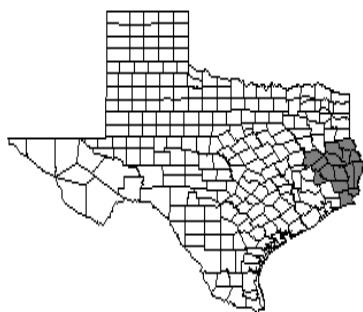
### CAUSES OF DEATH AMONG INDIVIDUALS 60 YEARS OF AGE AND OLDER, FOR RESIDENTS AND NON-RESIDENTS OF NURSING FACILITIES AND RELATED INSTITUTIONS (NF&RI)

CAUSE	1CD-9 CODE	NF&RI RESIDENTS NUMBER	NF&RI RESIDENTS PERCENT	NF&RI NON-RESIDENTS NUMBER	NF&RI NON-RESIDENTS PERCENT
<b>ALL CAUSES</b>		2,269	100.00	6,692	100.00
<b>SELECTED NATURAL CAUSES</b>					
Septicemia	038	22	0.97	79	1.18
Malignant Neoplasms	140-208	343	15.12	1,702	25.43
Diabetes Mellitus	250	81	3.57	157	2.35
Malnutrition	263	5	0.22	15	0.22
Dehydration	276.5	14	0.62	12	0.18
Diseases of Heart	390-398, 402, 404-429	731	32.22	2,211	33.04
Hypertension	401, 403	25	1.10	39	0.58
Cerebrovascular Diseases	430-438	304	13.40	520	7.77
Atherosclerosis	440	45	1.98	42	0.63
Pneumonia & Influenza	480-487	152	6.70	260	3.89
Chronic Obstructive Pulmonary Disease	490-496	99	4.36	415	6.20
Ulcer (Stomach & Duodenum)	531-533	3	0.13	18	0.27
Hernia and Intestinal Obstruction	550-553, 560	7	0.31	25	0.37
Chronic Liver Disease	571	6	0.26	50	0.75
Nephritis	580-589	18	0.79	51	0.76
<b>SELECTED EXTERNAL CAUSES</b>					
Accidents (all)	E800-E949	21	0.93	192	2.87
Fracture	E887, E888	6	0.26	47	0.70
Drowning	E910.4, E910.8, E910.9	0	0.00	3	0.04
Suffocation/Strangulation	E911-E913	4	0.18	8	0.12
Concussion	E928.9	0	0.00	4	0.06
Suicide	E950-E959	0	0.00	37	0.55
Homicide	E960-E978	0	0.00	11	0.16
<b>ALL OTHER CAUSES</b>		393	17.32	856	12.79

# **REGION 4 Continued** **NURSING HOME DEATHS BY CAUSE OF DEATH, GENDER AND AGE**

		0-21	22-49	50-59	60-69	70-79	80-89	90+	TOTAL *
<b>ALL CAUSES</b>	male	2	11	21	70	198	326	159	787
	female	3	9	23	65	281	639	531	1,554
<b>SELECTED NATURAL CAUSES</b>									
Septicemia	male	0	0	0	0	0	4	3	7
	female	0	0	2	0	5	9	1	17
Malignant Neoplasms	male	0	0	9	19	62	57	15	162
	female	0	4	6	16	58	83	33	200
Diabetes Mellitus	male	0	3	1	4	7	8	4	27
	female	0	1	2	7	18	20	13	61
Malnutrition	male	0	0	0	0	1	0	0	1
	female	0	0	0	0	0	3	1	4
Dehydration	male	0	0	0	0	0	2	1	3
	female	0	0	0	0	0	4	7	11
Diseases of Heart	male	0	1	4	17	45	95	62	224
	female	0	2	3	12	81	206	213	517
(Cardiac Arrest < 62 yrs)	male	0	0	0	0	-	-	-	0
	female	0	0	0	0	-	-	-	0
Hypertension	male	0	0	0	0	4	3	3	10
	female	0	0	1	0	2	8	5	16
Cerebrovascular Diseases	male	0	0	2	4	20	44	18	88
	female	0	0	2	7	35	93	83	221
Atherosclerosis	male	0	0	0	0	4	10	3	17
	female	0	0	0	0	5	8	15	28
Pneumonia & Influenza	male	0	1	0	4	9	29	11	54
	female	0	0	0	5	12	36	46	99
Chronic Obstructive Pulmonary Disease	male	0	0	1	7	13	14	13	48
	female	1	0	1	2	19	23	8	55
Ulcer (Stomach & Duodenum)	male	0	0	1	0	0	1	0	2
	female	0	0	0	0	1	1	0	2
Hernia and Intestinal Obstruction	male	0	0	0	0	0	1	0	1
	female	0	0	0	1	2	2	1	6
Chronic Liver Disease	male	0	0	1	1	1	1	0	4
	female	0	0	2	1	1	1	0	5
Nephritis	male	0	0	0	0	4	4	2	10
	female	0	0	0	0	1	2	5	9
<b>SELECTED EXTERNAL CAUSES</b>									
Accidents (all)	male	0	1	0	2	2	4	0	9
	female	0	1	0	1	2	6	4	14
Fracture	male	0	0	0	0	1	2	0	3
	female	0	0	0	0	0	2	1	3
Drowning	male	0	0	0	0	0	0	0	0
	female	0	0	0	0	0	0	0	0
Suffocation/Strangulation	male	0	0	0	1	0	1	0	2
	female	0	1	0	0	1	1	0	3
Concussion	male	0	0	0	0	0	0	0	0
	female	0	0	0	0	0	0	0	0
Suicide	male	0	0	0	0	0	0	0	0
	female	0	0	0	0	0	0	0	0
Homicide	male	0	0	0	0	0	0	0	0
	female	0	0	0	0	0	0	0	0
<b>ALL OTHER CAUSES</b>	male	2	5	2	12	26	49	24	120
	female	2	1	4	13	39	134	96	289

\*Total includes individuals with unknown ages.



## REGION 5

### DEMOGRAPHICS<sup>1</sup>

Licensed Facilities	111
Licensed Beds	7,614
# Of Deaths	1,366
Mean Age at Death	83.5

<sup>1</sup> Includes data from licensed nursing facilities and facilities for the mentally retarded.

### TIME OF DEATH BY PLACE OF DEATH

	TOTAL	7a-2:59p	3p-10:59p	11P-5:59a	UKN
Nursing Home	1,034	341	333	344	16
Inpatient	230	69	77	74	10
ER/Outpatient	85	34	23	24	4
DOA-Hospital	10	2	4	4	0
Other/unk	7	1	2	4	0
<b>TOTAL</b>	1,366	447	439	450	30

### AGE AT DEATH BY MONTH OF DEATH

AGE	TOTAL	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
0-21	1	0	0	0	0	0	0	0	0	1	0	0	0
22-49	15	2	0	2	2	0	2	0	0	1	2	2	2
50-59	29	0	2	5	3	4	4	4	2	1	1	2	1
60-69	72	5	5	7	8	8	5	7	3	3	8	6	7
70-79	263	19	21	25	22	17	19	21	24	20	30	28	17
80-89	585	55	45	57	44	50	43	50	43	49	43	56	50
90+	401	44	27	34	32	27	38	18	31	27	38	39	46
<b>TOTAL*</b>	1366	125	100	130	111	106	111	100	103	102	122	133	123

\*Includes individuals with unknown causes

### CAUSES OF DEATH AMONG INDIVIDUALS 60 YEARS OF AGE AND OLDER, FOR RESIDENTS AND NON-RESIDENTS OF NURSING FACILITIES AND RELATED INSTITUTIONS (NF&RI)

CAUSE	1CD-9 CODE	NF&RI RESIDENTS NUMBER	NF&RI RESIDENTS PERCENT	NF&RI NON-RESIDENTS NUMBER	NF&RI NON-RESIDENTS PERCENT
<b>ALL CAUSES</b>		1,321	100.00	4,985	100.00
<b>SELECTED NATURAL CAUSES</b>					
Septicemia	038	15	1.14	56	1.12
Malignant Neoplasms	140-208	176	13.32	1,254	25.16
Diabetes Mellitus	250	59	4.47	137	2.75
Malnutrition	263	4	0.30	6	0.12
Dehydration	276.5	8	0.61	12	0.24
Diseases of Heart	390-398, 402, 404-429	464	35.12	1,808	36.27
Hypertension	401, 403	9	0.68	30	0.60
Cerebrovascular Diseases	430-438	187	14.16	341	6.84
Atherosclerosis	440	13	0.98	28	0.56
Pneumonia & Influenza	480-487	51	3.86	182	3.65
Chronic Obstructive Pulmonary Disease	490-496	63	4.77	311	6.24
Ulcer (Stomach & Duodenum)	531-533	3	0.23	13	0.26
Hernia and Intestinal Obstruction	550-553, 560	6	0.45	15	0.30
Chronic Liver Disease	571	6	0.45	37	0.74
Nephritis	580-589	13	0.98	50	1.00
<b>SELECTED EXTERNAL CAUSES</b>					
Accidents (all)	E800-E949	13	0.98	103	2.07
Fracture	E887, E888	4	0.30	23	0.46
Drowning	E910.4, E910.8, E910.9	0	0.00	1	0.02
Suffocation/Strangulation	E911-E913	2	0.15	4	0.08
Concussion	E928.9	1	0.08	3	0.06
Suicide	E950-E959	0	0.00	35	0.70
Homicide	E960-E978	0	0.00	7	0.14
<b>ALL OTHER CAUSES</b>		231	17.49	560	11.231

# **REGION 5 Continued** **NURSING HOME DEATHS BY CAUSE OF DEATH, GENDER AND AGE**

		0-21	22-49	50-59	60-69	70-79	80-89	90+	TOTAL *
<b>ALL CAUSES</b>	male	1	12	17	35	121	197	80	463
	female	0	3	12	37	142	388	321	903
<b>SELECTED NATURAL CAUSES</b>									
Septicemia	male	0	0	0	0	2	0	0	2
	female	0	0	0	1	3	7	2	13
Malignant Neoplasms	male	0	6	7	12	32	27	7	91
	female	0	1	8	10	31	37	20	107
Diabetes Mellitus	male	0	1	1	3	6	9	5	25
	female	0	0	0	5	5	16	10	36
Malnutrition	male	0	0	0	0	0	1	1	2
	female	0	0	0	0	0	2	0	2
Dehydration	male	0	0	0	0	0	2	3	5
	female	0	0	0	0	1	0	2	3
Diseases of Heart	male	0	1	5	9	32	62	23	132
	female	0	1	2	9	45	148	136	341
(Cardiac Arrest < 62 yrs)	male	0	0	1	0	-	-	-	1
	female	0	0	0	0	-	-	-	0
Hypertension	male	0	0	0	1	1	0	2	4
	female	0	0	0	0	2	2	1	5
Cerebrovascular Diseases	male	0	0	1	5	10	34	12	62
	female	0	0	0	3	22	60	41	126
Atherosclerosis	male	0	0	0	0	2	0	1	3
	female	0	0	0	0	2	2	6	10
Pneumonia & Influenza	male	0	1	1	0	5	5	6	18
	female	0	0	0	0	1	14	20	35
Chronic Obstructive Pulmonary Disease	male	0	0	0	1	9	15	7	32
	female	0	0	0	3	7	13	8	31
Ulcer (Stomach & Duodenum)	male	0	0	0	0	0	0	0	0
	female	0	0	0	0	1	2	0	3
Hernia and Intestinal Obstruction	male	0	0	0	0	0	0	0	0
	female	0	0	0	0	1	2	3	6
Chronic Liver Disease	male	0	1	0	1	2	1	0	5
	female	0	1	0	0	0	1	1	3
Nephritis	male	0	0	0	1	2	2	2	7
	female	0	0	0	0	0	1	5	6
<b>SELECTED EXTERNAL CAUSES</b>									
Accidents (all)	male	0	0	0	0	1	2	0	3
	female	0	0	0	1	1	4	4	10
Fracture	male	0	0	0	0	0	1	0	1
	female	0	0	0	0	0	1	2	3
Drowning	male	0	0	0	0	0	0	0	0
	female	0	0	0	0	0	0	0	0
Suffocation/Strangulation	male	0	0	0	0	0	0	0	0
	female	0	0	0	0	0	2	0	2
Concussion	male	0	0	0	0	1	0	0	1
	female	0	0	0	0	0	0	0	0
Suicide	male	0	0	0	0	0	0	0	0
	female	0	0	0	0	0	0	0	0
Homicide	male	0	0	0	0	0	0	0	0
	female	0	0	0	0	0	0	0	0
<b>ALL OTHER CAUSES</b>	male	1	2	2	2	17	37	11	72
	female	0	0	2	5	20	77	62	166

\*Total includes individuals with unknown ages.



## REGION 6

### DEMOGRAPHICS<sup>1</sup>

Licensed Facilities	232
Licensed Beds	16,375
# Of Deaths	3,535
Mean Age at Death	82.9

<sup>1</sup> Includes data from licensed nursing facilities and facilities for the mentally retarded.

### TIME OF DEATH BY PLACE OF DEATH

	TOTAL	7a-2:59p	3p-10:59p	11P-5:59a	UKN
Nursing Home	2,878	1,000	934	931	13
Inpatient	421	138	139	133	11
ER/Outpatient	145	52	47	45	1
DOA-Hospital	8	2	4	2	0
Other/unlk	83	34	27	22	0
<b>TOTAL</b>	<b>3,535</b>	<b>1,226</b>	<b>1,226</b>	<b>1,133</b>	<b>25</b>

### AGE AT DEATH BY MONTH OF DEATH

AGE	TOTAL	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
0-21	2	0	1	0	0	0	0	0	0	0	1	0	0
22-49	55	6	8	3	8	6	6	2	7	0	4	2	3
50-59	77	6	9	3	7	4	7	6	6	5	6	8	10
60-69	210	13	17	19	23	17	15	15	18	8	18	25	22
70-79	716	59	53	50	64	57	66	60	60	49	56	71	71
80-89	1,473	154	115	121	95	98	138	132	95	108	122	155	140
90+	999	92	86	96	78	79	73	80	80	65	88	88	94
<b>TOTAL *</b>	<b>3,535</b>	<b>330</b>	<b>289</b>	<b>292</b>	<b>275</b>	<b>261</b>	<b>306</b>	<b>295</b>	<b>266</b>	<b>236</b>	<b>295</b>	<b>349</b>	<b>341</b>

\*Includes individuals with unknown causes

### CAUSES OF DEATH AMONG INDIVIDUALS 60 YEARS OF AGE AND OLDER, FOR RESIDENTS AND NON-RESIDENTS OF NURSING FACILITIES AND RELATED INSTITUTIONS (NF&RI)

CAUSE	1CD-9 CODE	NF&RI RESIDENTS NUMBER	NF&RI RESIDENTS PERCENT	NF&RI NON-RESIDENTS NUMBER	NF&RI NON-RESIDENTS PERCENT
<b>ALL CAUSES</b>		3,398	100.00	16,989	100.00
<b>SELECTED NATURAL CAUSES</b>					
Septicemia	038	36	1.06	231	1.36
Malignant Neoplasms	140-208	436	12.83	4,460	26.25
Diabetes Mellitus	250	116	3.41	633	3.73
Malnutrition	263	6	0.18	32	0.19
Dehydration	276.5	15	0.44	19	0.11
Diseases of Heart	390-398, 402, 404-429	1,147	33.76	5,877	34.59
Hypertension	401, 403	41	1.21	124	0.73
Cerebrovascular Diseases	430-438	551	16.22	1,198	7.05
Atherosclerosis	440	68	2.00	91	0.54
Pneumonia & Influenza	480-487	106	3.12	485	2.85
Chronic Obstructive Pulmonary Disease	490-496	147	4.33	887	5.22
Ulcer (Stomach & Duodenum)	531-533	3	0.09	50	0.29
Hernia and Intestinal Obstruction	550-553, 560	9	0.26	57	0.34
Chronic Liver Disease	571	15	0.44	173	1.02
Nephritis	580-589	24	0.71	137	0.81
<b>SELECTED EXTERNAL CAUSES</b>					
Accidents (all)	E800-E949	28	0.82	325	1.91
Fracture	E887, E888	14	0.41	69	0.41
Drowning	E910.4, E910.8, E910.9	0	0.00	4	0.02
Suffocation/Strangulation	E911-E913	5	0.15	20	0.12
Concussion	E928.9	1	0.03	17	0.10
Suicide	E950-E959	0	0.00	80	0.47
Homicide	E960-E978	0	0.00	21	0.12
<b>ALL OTHER CAUSES</b>		650	19.13	2,109	12.41

# **REGION 6 Continued** **NURSING HOME DEATHS BY CAUSE OF DEATH, GENDER AND AGE**

		0-21	22-49	50-59	60-69	70-79	80-89	90+	TOTAL *
<b>ALL CAUSES</b>	male	2	33	43	88	292	468	204	1,131
	female	0	22	34	122	424	1,005	795	2,404
<b>SELECTED NATURAL CAUSES</b>									
Septicemia	male	0	0	1	1	6	6	0	14
	female	0	2	2	1	7	10	5	27
Malignant Neoplasms	male	0	5	17	19	78	66	23	208
	female	0	5	12	38	77	101	34	267
Diabetes Mellitus	male	0	1	0	5	15	11	4	36
	female	0	1	3	11	25	28	17	85
Malnutrition	male	0	0	0	1	0	0	1	2
	female	0	0	0	0	0	2	2	4
Dehydration	male	0	0	0	1	0	3	2	6
	female	0	0	0	0	1	6	2	9
Diseases of Heart	male	1	2	8	27	78	164	79	360
	female	0	2	7	25	111	345	318	808
(Cardiac Arrest < 62 yrs)	male	1	0	0	1	-	-	-	2
	female	0	0	0	0	-	-	-	0
Hypertension	male	0	0	0	1	1	5	1	8
	female	0	0	0	1	5	14	13	33
Cerebrovascular Diseases	male	0	1	4	7	34	73	31	150
	female	0	1	4	13	61	175	157	411
Atherosclerosis	male	0	0	0	0	2	14	6	22
	female	0	0	0	1	8	26	11	46
Pneumonia & Influenza	male	0	0	1	3	10	13	9	36
	female	0	1	1	2	6	31	32	73
Chronic Obstructive Pulmonary Disease	male	0	0	0	7	15	14	10	46
	female	0	0	1	9	32	46	14	103
Ulcer (Stomach & Duodenum)	male	0	0	0	0	0	0	1	1
	female	0	0	0	0	0	1	1	3
Hernia and Intestinal Obstruction	male	0	0	0	0	0	1	1	2
	female	0	0	0	0	0	3	4	7
Chronic Liver Disease	male	0	2	0	2	2	1	0	7
	female	0	0	1	3	6	0	1	11
Nephritis	male	0	0	0	1	0	1	1	3
	female	0	0	0	0	2	11	8	21
<b>SELECTED EXTERNAL CAUSES</b>									
Accidents (all)	male	0	3	2	0	1	4	4	14
	female	0	2	0	1	1	7	10	21
Fracture	male	0	0	0	0	0	2	3	5
	female	0	0	0	0	1	4	4	9
Drowning	male	0	0	0	0	0	0	0	0
	female	0	0	0	0	0	0	0	0
Suffocation/Strangulation	male	0	0	0	0	0	0	0	0
	female	0	0	0	0	0	2	3	5
Concussion	male	0	0	1	0	0	0	0	1
	female	0	0	0	0	0	0	1	1
Suicide	male	0	0	0	0	0	0	0	0
	female	0	0	0	0	0	0	0	0
Homicide	male	0	0	0	0	0	0	0	0
	female	0	0	0	0	0	0	0	0
<b>ALL OTHER CAUSES</b>	male	1	19	10	13	50	92	31	216
	female	0	8	3	17	82	199	166	475

\*Total includes individuals with unknown ages.



## REGION 7

### DEMOGRAPHICS<sup>1</sup>

Licensed Facilities **264**  
 Licensed Beds **18,613**  
 # Of Deaths **3,619**  
 Mean Age at Death **83.9**

<sup>1</sup> Includes data from licensed nursing facilities and facilities for the mentally retarded.

### TIME OF DEATH BY PLACE OF DEATH

	TOTAL	7a-2:59p	3p-10:59p	11P-5:59a	UKN
Nursing Home	3,074	1,034	1,032	941	67
Inpatient	365	122	112	105	26
ER/Outpatient	145	64	48	28	5
DOA-Hospital	8	2	5	1	0
Other/unk	27	9	10	8	0
<b>TOTAL</b>	<b>3,619</b>	<b>1,231</b>	<b>1,207</b>	<b>1,083</b>	<b>98</b>

### AGE AT DEATH BY MONTH OF DEATH

AGE	TOTAL	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
0-21	5	1	1	1	0	0	1	0	0	0	0	1	0
22-49	51	2	7	6	2	3	2	3	6	3	4	6	7
50-59	67	5	7	7	5	8	2	4	5	5	5	9	5
60-69	181	17	19	15	19	14	16	15	17	7	13	14	15
70-79	624	71	51	53	52	48	46	56	44	43	55	55	50
80-89	1,530	162	134	121	133	121	95	132	118	101	121	129	163
90+	1,156	113	108	97	108	94	71	79	99	71	86	103	127
<b>TOTAL*</b>	<b>3,619</b>	<b>371</b>	<b>328</b>	<b>300</b>	<b>320</b>	<b>288</b>	<b>233</b>	<b>290</b>	<b>289</b>	<b>231</b>	<b>284</b>	<b>318</b>	<b>367</b>

\*Includes individuals with unknown causes

### CAUSES OF DEATH AMONG INDIVIDUALS 60 YEARS OF AGE AND OLDER, FOR RESIDENTS AND NON-RESIDENTS OF NURSING FACILITIES AND RELATED INSTITUTIONS (NF&RI)

CAUSE	1CD-9 CODE	NF&RI RESIDENTS NUMBER	NF&RI RESIDENTS PERCENT	NF&RI NON-RESIDENTS NUMBER	NF&RI NON-RESIDENTS PERCENT
<b>ALL CAUSES</b>		3,491	100.00	8,137	100.00
<b>SELECTED NATURAL CAUSES</b>					
Septicemia	038	44	1.26	77	0.95
Malignant Neoplasms	140-208	528	15.12	2,143	26.34
Diabetes Mellitus	250	121	3.47	250	3.07
Malnutrition	263	11	0.32	16	0.20
Dehydration	276.5	24	0.69	13	0.16
Diseases of Heart	390-398, 402, 404-429	1,232	35.29	2,818	34.63
Hypertension	401, 403	34	0.97	59	0.73
Cerebrovascular Diseases	430-438	370	10.60	504	6.19
Atherosclerosis	440	36	1.03	37	0.45
Pneumonia & Influenza	480-487	191	5.47	325	3.99
Chronic Obstructive Pulmonary Disease	490-496	142	4.07	442	5.43
Ulcer (Stomach & Duodenum)	531-533	3	0.09	24	0.29
Hernia and Intestinal Obstruction	550-553, 560	8	0.23	32	0.39
Chronic Liver Disease	571	8	0.23	73	0.90
Nephritis	580-589	41	1.17	59	0.73
<b>SELECTED EXTERNAL CAUSES</b>					
Accidents (all)	E800-E949	29	0.83	194	2.38
Fracture	E887, E888	13	0.37	41	0.50
Drowning	E910.4, E910.8, E910.9	0	0.00	3	0.04
Suffocation/Strangulation	E911-E913	5	0.14	12	0.15
Concussion	E928.9	2	0.06	6	0.07
Suicide	E950-E959	0	0.00	34	0.42
Homicide	E960-E978	1	0.03	5	0.06
<b>ALL OTHER CAUSES</b>		668	19.13	1,032	13.67

# **REGION 7 Continued** **NURSING HOME DEATHS BY CAUSE OF DEATH, GENDER AND AGE**

		0-21	22-49	50-59	60-69	70-79	80-89	90+	TOTAL *
<b>ALL CAUSES</b>	male	3	30	32	99	268	489	256	1,179
	female	2	21	35	82	356	1,041	900	2,440
<b>SELECTED NATURAL CAUSES</b>									
Septicemia	male	0	0	0	2	4	3	3	12
	female	0	1	0	1	2	13	16	33
Malignant Neoplasms	male	0	10	8	40	74	91	28	252
	female	0	8	22	28	80	124	63	326
Diabetes Mellitus	male	0	1	3	7	9	12	6	38
	female	0	2	0	5	25	40	17	89
Malnutrition	male	0	0	0	0	0	1	0	1
	female	0	0	0	0	0	2	8	10
Dehydration	male	0	0	0	1	1	4	1	7
	female	0	0	0	0	2	4	11	17
Diseases of Heart	male	0	2	7	22	72	161	111	375
	female	1	1	5	15	94	369	388	873
(Cardiac Arrest < 62 yrs)	male	0	1	0	0	-	-	-	1
	female	1	0	0	0	-	-	-	1
Hypertension	male	0	0	2	0	1	3	3	9
	female	0	0	1	3	5	9	10	28
Cerebrovascular Diseases	male	0	0	1	5	18	36	24	84
	female	0	0	4	4	40	140	103	291
Atherosclerosis	male	0	0	0	1	5	4	2	13
	female	0	0	0	0	2	12	10	24
Pneumonia & Influenza	male	0	0	0	1	11	28	18	58
	female	0	0	0	4	17	55	57	133
Chronic Obstructive Pulmonary Disease	male	0	0	0	5	18	32	10	65
	female	0	1	1	5	21	40	11	79
Ulcer (Stomach & Duodenum)	male	0	0	0	0	0	2	0	2
	female	0	0	0	0	0	1	0	1
Hernia and Intestinal Obstruction	male	0	0	1	0	0	0	2	3
	female	0	0	0	0	3	1	2	6
Chronic Liver Disease	male	0	1	3	1	1	0	0	6
	female	0	0	1	2	4	0	0	7
Nephritis	male	0	0	0	2	3	5	5	15
	female	0	0	0	0	4	9	13	26
<b>SELECTED EXTERNAL CAUSES</b>									
Accidents (all)	male	0	0	0	0	0	5	1	6
	female	0	0	0	0	1	14	8	23
Fracture	male	0	0	0	0	0	2	0	2
	female	0	0	0	0	1	6	4	11
Drowning	male	0	0	0	0	0	0	0	0
	female	0	0	0	0	0	0	0	0
Suffocation/Strangulation	male	0	0	0	0	0	2	1	3
	female	0	0	0	0	0	1	1	2
Concussion	male	0	0	0	0	0	0	0	0
	female	0	0	0	0	0	1	1	2
Suicide	male	0	1	0	0	0	0	0	1
	female	0	0	0	0	0	0	0	0
Homicide	male	0	0	0	0	0	0	0	0
	female	0	0	0	0	1	0	0	1
<b>ALL OTHER CAUSES</b>	male	3	15	7	12	51	102	42	232
	female	1	8	1	15	55	208	183	473

\*Total includes individuals with unknown ages.



## REGION 8

### DEMOGRAPHICS<sup>1</sup>

Licensed Facilities **229**  
 Licensed Beds **15,184**  
 # Of Deaths **3,376**  
 Mean Age at Death **83.0**

<sup>1</sup> Includes data from licensed nursing facilities and facilities for the mentally retarded.

### TIME OF DEATH BY PLACE OF DEATH

	TOTAL	7a-2:59p	3p-10:59p	11P-5:59a	UKN
Nursing Home	2,881	939	921	888	133
Inpatient	275	81	77	83	34
ER/Outpatient	115	41	30	26	18
DOA-Hospital	5	3	1	1	0
Other/unk	100	28	30	34	8
<b>TOTAL</b>	<b>3,376</b>	<b>1,092</b>	<b>1,059</b>	<b>1,032</b>	<b>193</b>

### AGE AT DEATH BY MONTH OF DEATH

AGE	TOTAL	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
0-21	2	1	0	0	0	0	0	0	0	0	0	0	1
22-49	52	4	1	3	3	8	6	6	2	6	4	4	5
50-59	83	9	6	10	8	7	4	8	7	7	5	8	4
60-69	192	21	16	17	13	18	19	17	13	15	13	12	18
70-79	690	71	48	65	59	55	48	64	48	65	48	51	68
80-89	1,391	139	105	103	124	124	100	103	112	91	98	129	163
90+	965	81	87	72	85	92	67	90	76	65	87	72	91
<b>TOTAL*</b>	<b>3,376</b>	<b>326</b>	<b>263</b>	<b>270</b>	<b>292</b>	<b>304</b>	<b>244</b>	<b>288</b>	<b>258</b>	<b>249</b>	<b>255</b>	<b>277</b>	<b>350</b>

\*Includes individuals with unknown causes

### CAUSES OF DEATH AMONG INDIVIDUALS 60 YEARS OF AGE AND OLDER, FOR RESIDENTS AND NON-RESIDENTS OF NURSING FACILITIES AND RELATED INSTITUTIONS (NF&RI)

CAUSE	1CD-9 CODE	NF&RI RESIDENTS NUMBER	NF&RI RESIDENTS PERCENT	NF&RI NON-RESIDENTS NUMBER	NF&RI NON-RESIDENTS PERCENT
<b>ALL CAUSES</b>		3,238	100.00	9,597	100.00
<b>SELECTED NATURAL CAUSES</b>					
Septicemia	038	28	0.86	121	1.26
Malignant Neoplasms	140-208	497	15.35	2,400	25.01
Diabetes Mellitus	250	133	4.11	390	4.06
Malnutrition	263	5	0.15	15	0.16
Dehydration	276.5	9	0.28	14	0.15
Diseases of Heart	390-398, 402, 404-429	1,155	35.67	3,374	35.16
Hypertension	401, 403	25	0.77	47	0.49
Cerebrovascular Diseases	430-438	401	12.38	618	6.44
Atherosclerosis	440	52	1.61	52	0.54
Pneumonia & Influenza	480-487	133	4.11	290	3.02
Chronic Obstructive Pulmonary Disease	490-496	170	5.25	459	4.78
Ulcer (Stomach & Duodenum)	531-533	4	0.12	23	0.24
Hernia and Intestinal Obstruction	550-553, 560	5	0.15	23	0.24
Chronic Liver Disease	571	13	0.40	106	1.10
Nephritis	580-589	33	1.02	79	0.82
<b>SELECTED EXTERNAL CAUSES</b>					
Accidents (all)	E800-E949	30	0.93	202	2.10
Fracture	E887, E888	20	0.62	65	0.68
Drowning	E910.4, E910.8, E910.9	0	0.00	1	0.01
Suffocation/Strangulation	E911-E913	2	0.06	14	0.15
Concussion	E928.9	1	0.03	10	0.10
Suicide	E950-E959	0	0.00	60	0.63
Homicide	E960-E978	0	0.00	12	0.13
<b>ALL OTHER CAUSES</b>		545	16.83	1,312	14.42

# **REGION 8 Continued** **NURSING HOME DEATHS BY CAUSE OF DEATH, GENDER AND AGE**

		0-21	22-49	50-59	60-69	70-79	80-89	90+	TOTAL *
<b>ALL CAUSES</b>	male	2	33	49	106	296	498	211	1,196
	female	0	19	34	86	394	893	754	2,180
<b>SELECTED NATURAL CAUSES</b>									
Septicemia	male	0	1	0	2	4	3	1	11
	female	0	0	0	1	3	8	6	18
Malignant Neoplasms	male	0	7	18	36	77	83	19	240
	female	0	8	14	40	91	109	42	304
Diabetes Mellitus	male	0	0	5	5	20	18	6	54
	female	0	1	2	3	28	32	21	87
Malnutrition	male	0	0	0	0	0	0	0	0
	female	0	0	0	0	1	0	4	5
Dehydration	male	0	0	0	0	1	1	0	2
	female	0	0	0	0	1	4	2	7
Diseases of Heart	male	0	3	7	22	83	181	77	374
	female	0	3	3	11	107	315	359	798
(Cardiac Arrest < 62 yrs)	male	0	1	0	0	-	-	-	1
	female	0	0	1	0	-	-	-	1
Hypertension	male	0	0	2	1	2	2	3	10
	female	0	0	0	0	5	7	5	17
Cerebrovascular Diseases	male	0	0	2	15	29	49	29	124
	female	0	1	3	7	49	117	106	283
Atherosclerosis	male	0	0	0	1	6	5	5	17
	female	0	0	0	0	1	14	20	35
Pneumonia & Influenza	male	1	2	3	1	7	21	8	43
	female	0	0	2	1	17	40	38	98
Chronic Obstructive Pulmonary Disease	male	0	0	1	5	17	37	12	72
	female	0	1	0	9	32	46	12	100
Ulcer (Stomach & Duodenum)	male	0	0	0	0	1	0	1	2
	female	0	0	0	0	0	0	2	2
Hernia and Intestinal Obstruction	male	0	0	0	0	0	1	1	2
	female	0	0	0	0	0	1	2	3
Chronic Liver Disease	male	0	3	3	3	3	2	1	15
	female	0	1	1	0	4	0	0	6
Nephritis	male	0	0	0	2	2	7	4	15
	female	0	0	2	1	2	6	9	20
<b>SELECTED EXTERNAL CAUSES</b>									
Accidents (all)	male	0	5	0	2	1	2	5	15
	female	0	0	0	0	1	12	7	20
Fracture	male	0	0	0	0	1	1	4	6
	female	0	0	0	0	1	9	4	14
Drowning	male	0	0	0	0	0	0	0	0
	female	0	0	0	0	0	0	0	0
Suffocation/Strangulation	male	0	0	0	0	0	0	1	1
	female	0	0	0	0	0	1	0	1
Concussion	male	0	0	0	0	0	0	0	0
	female	0	0	0	0	0	0	1	1
Suicide	male	0	0	0	0	0	0	0	0
	female	0	0	0	0	0	0	0	0
Homicide	male	0	2	0	0	0	0	0	2
	female	0	0	0	0	0	0	0	0
<b>ALL OTHER CAUSES</b>	male	1	10	8	11	43	86	39	198
	female	0	4	7	13	52	182	119	377

\*Total includes individuals with unknown ages.



## REGION 9

### DEMOGRAPHICS<sup>1</sup>

Licensed Facilities **75**  
 Licensed Beds **4,224**  
 # Of Deaths **790**  
 Mean Age at Death **84.4**

<sup>1</sup> Includes data from licensed nursing facilities and facilities for the mentally retarded.

### TIME OF DEATH BY PLACE OF DEATH

	TOTAL	7a-2:59p	3p-10:59p	11P-5:59a	UKN
Nursing Home	643	188	221	216	18
Inpatient	104	26	38	37	3
ER/Outpatient	33	14	10	8	1
DOA-Hospital	2	1	0	1	0
Other/unk	8	1	4	3	0
<b>TOTAL</b>	<b>790</b>	<b>230</b>	<b>273</b>	<b>265</b>	<b>22</b>

### AGE AT DEATH BY MONTH OF DEATH

AGE	TOTAL	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
0-21	0	0	0	0	0	0	0	0	0	0	0	0	0
22-49	11	1	1	1	1	0	1	0	1	2	1	0	2
50-59	10	1	1	0	1	0	2	0	0	0	1	2	2
60-69	38	3	1	2	5	2	2	3	3	5	3	6	3
70-79	127	12	13	12	4	10	3	7	8	13	12	16	17
80-89	345	38	30	28	22	23	25	21	24	21	37	41	35
90+	257	24	21	19	20	24	15	20	19	22	17	21	35
<b>TOTAL*</b>	<b>790</b>	<b>79</b>	<b>67</b>	<b>64</b>	<b>53</b>	<b>59</b>	<b>48</b>	<b>51</b>	<b>55</b>	<b>63</b>	<b>71</b>	<b>86</b>	<b>94</b>

\*Includes individuals with unknown causes

### CAUSES OF DEATH AMONG INDIVIDUALS 60 YEARS OF AGE AND OLDER, FOR RESIDENTS AND NON-RESIDENTS OF NURSING FACILITIES AND RELATED INSTITUTIONS (NF&RI)

CAUSE	1CD-9 CODE	NF&RI RESIDENTS NUMBER	NF&RI RESIDENTS PERCENT	NF&RI NON-RESIDENTS NUMBER	NF&RI NON-RESIDENTS PERCENT
<b>ALL CAUSES</b>		767	100.00	2,890	100.00
<b>SELECTED NATURAL CAUSES</b>					
Septicemia	038	5	0.65	26	0.90
Malignant Neoplasms	140-208	93	12.13	725	25.09
Diabetes Mellitus	250	19	2.48	101	3.49
Malnutrition	263	0	0.00	3	0.10
Dehydration	276.5	6	0.78	5	0.17
Diseases of Heart	390-398, 402, 404-429	286	37.29	961	33.25
Hypertension	401, 403	6	0.78	12	0.42
Cerebrovascular Diseases	430-438	88	11.47	189	6.54
Atherosclerosis	440	6	0.78	10	0.35
Pneumonia & Influenza	480-487	51	6.65	127	4.39
Chronic Obstructive Pulmonary Disease	490-496	54	7.04	245	8.48
Ulcer (Stomach & Duodenum)	531-533	2	0.26	9	0.31
Hernia and Intestinal Obstruction	550-553, 560	3	0.39	9	0.31
Chronic Liver Disease	571	3	0.39	28	0.97
Nephritis	580-589	3	0.39	16	0.55
<b>SELECTED EXTERNAL CAUSES</b>					
Accidents (all)	E800-E949	7	0.91	63	2.18
Fracture	E887, E888	4	0.52	11	0.38
Drowning	E910.4, E910.8, E910.9	0	0.00	0	0.00
Suffocation/Strangulation	E911-E913	2	0.26	4	0.14
Concussion	E928.9	1	0.13	2	0.07
Suicide	E950-E959	0	0.00	9	0.31
Homicide	E960-E978	0	0.00	4	0.14
<b>ALL OTHER CAUSES</b>		135	17.60	348	12.04

## REGION 9 Continued

### NURSING HOME DEATHS BY CAUSE OF DEATH, GENDER AND AGE

		0-21	22-49	50-59	60-69	70-79	80-89	90+	TOTAL *
<b>ALL CAUSES</b>	male	0	8	5	20	60	111	58	264
	female	0	3	5	18	67	234	199	526
<b>SELECTED NATURAL CAUSES</b>									
Septicemia	male	0	0	0	1	0	0	0	1
	female	0	0	0	0	1	3	0	4
Malignant Neoplasms	male	0	1	2	7	9	21	5	45
	female	0	2	0	3	13	18	17	53
Diabetes Mellitus	male	0	0	0	1	3	1	1	6
	female	0	0	0	1	3	4	5	13
Malnutrition	male	0	0	0	0	0	0	0	0
	female	0	0	0	0	0	0	0	0
Dehydration	male	0	0	0	0	0	1	0	1
	female	0	0	0	0	0	3	2	5
Diseases of Heart	male	0	0	0	7	16	34	26	83
	female	0	1	3	5	20	90	88	207
(Cardiac Arrest < 62 yrs)	male	0	0	0	0	-	-	-	0
	female	0	0	1	0	-	-	-	1
Hypertension	male	0	0	0	1	1	1	0	3
	female	0	0	0	0	0	2	1	3
Cerebrovascular Diseases	male	0	0	0	1	11	10	5	27
	female	0	0	0	2	10	29	20	61
Atherosclerosis	male	0	0	0	0	0	1	0	1
	female	0	0	0	0	0	3	2	5
Pneumonia & Influenza	male	0	1	0	0	4	11	1	19
	female	0	0	0	0	4	18	13	35
Chronic Obstructive Pulmonary Disease	male	0	1	0	2	8	6	5	22
	female	0	0	0	2	7	15	9	33
Ulcer (Stomach & Duodenum)	male	0	0	0	0	0	1	0	1
	female	0	0	0	0	0	0	1	1
Hernia and Intestinal Obstruction	male	0	0	0	0	0	0	0	0
	female	0	0	0	0	1	1	1	3
Chronic Liver Disease	male	0	2	0	0	0	1	1	4
	female	0	0	0	0	0	1	0	1
Nephritis	male	0	0	0	0	0	0	0	0
	female	0	0	0	0	0	1	2	3
<b>SELECTED EXTERNAL CAUSES</b>									
Accidents (all)	male	0	0	0	0	0	0	1	1
	female	0	0	0	1	0	4	1	6
Fracture	male	0	0	0	0	0	0	1	1
	female	0	0	0	0	0	2	1	3
Drowning	male	0	0	0	0	0	0	0	0
	female	0	0	0	0	0	0	0	0
Suffocation/Strangulation	male	0	0	0	0	0	0	0	0
	female	0	0	0	1	0	1	0	2
Concussion	male	0	0	0	0	0	0	0	0
	female	0	0	0	0	0	1	0	1
Suicide	male	0	0	0	0	0	0	0	0
	female	0	0	0	0	0	0	0	0
Homicide	male	0	0	0	0	0	0	0	0
	female	0	0	0	0	0	0	0	0
<b>ALL OTHER CAUSES</b>	male	0	3	3	0	8	23	13	50
	female	0	0	2	4	8	42	37	93

\*Total includes individuals with unknown ages.



# REGION 10

## DEMOGRAPHICS<sup>1</sup>

Licensed Facilities	25
Licensed Beds	1,457
# Of Deaths	334
Mean Age at Death	81.2

<sup>1</sup> Includes data from licensed nursing facilities and facilities for the mentally retarded.

## TIME OF DEATH BY PLACE OF DEATH

	TOTAL	7a-2:59p	3p-10:59p	11P-5:59a	UKN
Nursing Home	256	84	72	67	33
Inpatient	49	19	5	14	11
ER/Outpatient	21	7	9	3	2
DOA-Hospital	0	0	0	0	0
Other/unk	8	4	1	3	0
<b>TOTAL</b>	334	114	87	87	46

## AGE AT DEATH BY MONTH OF DEATH

AGE	TOTAL	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
0-21	1	0	0	0	0	0	0	0	0	0	0	0	1
22-49	5	1	0	0	0	0	1	0	0	1	0	1	1
50-59	12	0	0	0	1	0	2	2	1	1	1	2	2
60-69	26	0	3	5	0	3	2	2	0	2	4	3	2
70-79	82	8	10	6	5	10	3	8	3	6	8	6	9
80-89	130	18	9	12	6	10	11	9	6	8	22	8	11
90+	78	4	11	7	7	6	3	6	3	6	6	10	9
<b>TOTAL*</b>	334	31	33	30	19	29	22	27	13	24	41	30	35

\*Includes individuals with unknown causes

## CAUSES OF DEATH AMONG INDIVIDUALS 60 YEARS OF AGE AND OLDER, FOR RESIDENTS AND NON-RESIDENTS OF NURSING FACILITIES AND RELATED INSTITUTIONS (NF&RI)

CAUSE	1CD-9 CODE	NF&RI RESIDENTS NUMBER	NF&RI RESIDENTS PERCENT	NF&RI NON-RESIDENTS NUMBER	NF&RI NON-RESIDENTS PERCENT
<b>ALL CAUSES</b>		316	100.00	2,669	100.00
<b>SELECTED NATURAL CAUSES</b>					
Septicemia	038	1	0.32	34	1.27
Malignant Neoplasms	140-208	43	13.61	629	23.57
Diabetes Mellitus	250	22	6.96	150	5.62
Malnutrition	263	2	0.63	8	0.30
Dehydration	276.5	2	0.63	8	0.30
Diseases of Heart	390-398, 402, 404-429	81	25.63	837	31.36
Hypertension	401, 403	1	0.32	27	1.01
Cerebrovascular Diseases	430-438	39	12.34	156	5.84
Atherosclerosis	440	3	0.95	16	0.60
Pneumonia & Influenza	480-487	12	3.80	87	3.26
Chronic Obstructive Pulmonary Disease	490-496	23	7.28	143	5.36
Ulcer (Stomach & Duodenum)	531-533	1	0.32	10	0.37
Hernia and Intestinal Obstruction	550-553, 560	0	0.00	2	0.07
Chronic Liver Disease	571	4	1.27	43	1.61
Nephritis	580-589	5	1.58	17	0.64
<b>SELECTED EXTERNAL CAUSES</b>					
Accidents (all)	E800-E949	6	1.90	66	2.47
Fracture	E887, E888	3	0.95	15	0.56
Drowning	E910.4, E910.8, E910.9	0	0.00	1	0.04
Suffocation/Strangulation	E911-E913	0	0.00	1	0.04
Concussion	E928.9	1	0.32	6	0.22
Suicide	E950-E959	0	0.00	7	0.26
Homicide	E960-E978	0	0.00	2	0.07
<b>ALL OTHER CAUSES</b>		71	22.47	427	16.00

# **REGION 10 Continued** **NURSING HOME DEATHS BY CAUSE OF DEATH, GENDER AND AGE**

		0-21	22-49	50-59	60-69	70-79	80-89	90+	TOTAL *
<b>ALL CAUSES</b>	male	1	5	10	10	45	38	24	133
	female	0	0	2	16	37	92	54	201
<b>SELECTED NATURAL CAUSES</b>									
Septicemia	male	0	0	0	0	0	0	0	0
	female	0	0	1	0	0	1	0	2
Malignant Neoplasms	male	0	1	1	3	10	7	0	22
	female	0	0	1	2	5	13	3	24
Diabetes Mellitus	male	0	0	2	2	3	1	1	9
	female	0	0	0	3	2	7	3	15
Malnutrition	male	0	0	0	0	0	0	0	0
	female	0	0	0	0	0	1	1	2
Dehydration	male	0	0	0	0	0	0	1	1
	female	0	0	0	0	0	0	1	1
Diseases of Heart	male	0	0	1	2	11	5	6	25
	female	0	0	0	5	9	23	20	57
(Cardiac Arrest < 62 yrs)	male	0	0	0	0	-	-	-	0
	female	0	0	0	0	-	-	-	0
Hypertension	male	0	0	0	0	0	0	0	0
	female	0	0	0	0	0	0	1	1
Cerebrovascular Diseases	male	0	0	1	0	9	2	2	14
	female	0	0	0	3	6	11	6	26
Atherosclerosis	male	0	0	0	0	0	1	0	1
	female	0	0	0	0	0	1	1	2
Pneumonia & Influenza	male	0	0	0	0	0	0	4	4
	female	0	0	0	1	3	3	1	8
Chronic Obstructive Pulmonary Disease	male	0	0	0	0	4	6	1	11
	female	0	0	0	0	4	7	1	12
Ulcer (Stomach & Duodenum)	male	0	0	0	0	0	0	0	0
	female	0	0	0	0	0	1	0	1
Hernia and Intestinal Obstruction	male	0	0	0	0	0	0	0	0
	female	0	0	0	0	0	0	0	0
Chronic Liver Disease	male	0	1	2	1	1	1	0	6
	female	0	0	0	0	0	1	0	1
Nephritis	male	0	0	0	0	0	1	2	3
	female	0	0	0	1	0	0	1	2
<b>SELECTED EXTERNAL CAUSES</b>									
Accidents (all)	male	1	2	0	0	2	2	0	7
	female	0	0	0	0	0	2	0	2
Fracture	male	0	0	0	0	1	1	0	2
	female	0	0	0	0	0	1	0	1
Drowning	male	0	0	0	0	0	0	0	0
	female	0	0	0	0	0	0	0	0
Suffocation/Strangulation	male	0	0	0	0	0	0	0	0
	female	0	0	0	0	0	0	0	0
Concussion	male	0	1	0	0	0	0	0	1
	female	0	0	0	0	0	1	0	1
Suicide	male	0	0	0	0	0	0	0	0
	female	0	0	0	0	0	0	0	0
Homicide	male	0	0	0	0	0	0	0	0
	female	0	0	0	0	0	0	0	0
<b>ALL OTHER CAUSES</b>	male	0	1	3	2	5	12	7	30
	female	0	0	0	1	8	21	15	45

\*Total includes individuals with unknown ages.



# REGION 11

## DEMOGRAPHICS<sup>1</sup>

Licensed Facilities **91**  
 Licensed Beds **7,770**  
 # Of Deaths **1,341**  
 Mean Age at Death **82.8**

<sup>1</sup> Includes data from licensed nursing facilities and facilities for the mentally retarded.

## TIME OF DEATH BY PLACE OF DEATH

	TOTAL	7a-2:59p	3p-10:59p	11P-5:59a	UKN
Nursing Home	1,109	392	352	339	26
Inpatient	141	34	48	44	15
ER/Outpatient	76	31	21	19	5
DOA-Hospital	2	1	0	1	0
Other/unk	13	5	3	4	1
<b>TOTAL</b>	<b>1,341</b>	<b>463</b>	<b>424</b>	<b>407</b>	<b>47</b>

## AGE AT DEATH BY MONTH OF DEATH

AGE	TOTAL	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
0-21	1	0	0	0	0	0	0	0	1	0	0	0	0
22-49	15	1	1	1	3	2	1	1	1	1	2	0	1
50-59	27	1	2	1	3	1	0	6	4	1	2	4	2
60-69	93	8	9	5	7	3	8	11	7	8	8	9	10
70-79	290	28	25	31	23	20	20	23	20	26	18	26	30
80-89	564	65	59	55	49	38	44	41	36	39	43	42	53
90+	351	26	41	34	22	32	23	26	23	29	29	31	35
<b>TOTAL*</b>	<b>1,341</b>	<b>129</b>	<b>137</b>	<b>127</b>	<b>107</b>	<b>96</b>	<b>96</b>	<b>108</b>	<b>92</b>	<b>104</b>	<b>102</b>	<b>112</b>	<b>131</b>

\*Includes individuals with unknown causes

## CAUSES OF DEATH AMONG INDIVIDUALS 60 YEARS OF AGE AND OLDER, FOR RESIDENTS AND NON-RESIDENTS OF NURSING FACILITIES AND RELATED INSTITUTIONS (NF&RI)

CAUSE	1CD-9 CODE	NF&RI RESIDENTS NUMBER	NF&RI RESIDENTS PERCENT	NF&RI NON-RESIDENTS NUMBER	NF&RI NON-RESIDENTS PERCENT
<b>ALL CAUSES</b>		1,298	100.00	6,658	100.00
<b><u>SELECTED NATURAL CAUSES</u></b>					
Septicemia	038	17	1.31	118	1.77
Malignant Neoplasms	140-208	203	15.64	1,500	22.53
Diabetes Mellitus	250	68	5.24	369	5.54
Malnutrition	263	8	0.62	11	0.17
Dehydration	276.5	5	0.39	7	0.11
Diseases of Heart	390-398, 402, 404-429	364	28.04	2,358	35.42
Hypertension	401, 403	17	1.31	51	0.77
Cerebrovascular Diseases	430-438	147	11.33	433	6.50
Atherosclerosis	440	28	2.16	35	0.53
Pneumonia & Influenza	480-487	62	4.78	243	3.65
Chronic Obstructive Pulmonary Disease	490-496	67	5.16	321	4.82
Ulcer (Stomach & Duodenum)	531-533	2	0.15	19	0.29
Hernia and Intestinal Obstruction	550-553, 560	8	0.62	21	0.32
Chronic Liver Disease	571	12	0.92	104	1.56
Nephritis	580-589	14	1.08	60	0.90
<b><u>SELECTED EXTERNAL CAUSES</u></b>					
Accidents (all)	E800-E949	7	0.54	112	1.68
Fracture	E887, E888	2	0.15	14	0.21
Drowning	E910.4, E910.8, E910.9	0	0.00	6	0.09
Suffocation/Strangulation	E911-E913	1	0.08	5	0.08
Concussion	E928.9	1	0.08	5	0.08
Suicide	E950-E959	0	0.00	31	0.47
Homicide	E960-E978	0	0.00	4	0.06
<b>ALL OTHER CAUSES</b>		269	20.72	861	12.93

# **REGION 11 Continued** **NURSING HOME DEATHS BY CAUSE OF DEATH, GENDER AND AGE**

		0-21	22-49	50-59	60-69	70-79	80-89	90+	TOTAL *
<b>ALL CAUSES</b>	male	1	7	14	51	167	222	92	554
	female	0	8	13	42	123	342	259	787
<b>SELECTED NATURAL CAUSES</b>									
Septicemia	male	0	0	0	0	2	2	0	4
	female	0	1	0	0	2	6	5	14
Malignant Neoplasms	male	0	1	3	16	37	34	5	96
	female	0	1	6	14	36	37	24	118
Diabetes Mellitus	male	0	0	2	7	9	12	3	33
	female	0	1	1	4	12	14	7	39
Malnutrition	male	0	0	1	0	0	3	0	4
	female	0	0	0	0	1	1	3	5
Dehydration	male	0	0	0	0	1	0	0	1
	female	0	0	0	1	1	2	0	4
Diseases of Heart	male	0	0	0	11	39	66	26	142
	female	0	1	1	5	19	106	92	224
(Cardiac Arrest < 62 yrs)	male	0	0	0	0	0	0	0	0
	female	0	0	0	0	0	0	0	0
Hypertension	male	0	0	0	0	2	2	3	7
	female	0	0	0	0	0	3	7	10
Cerebrovascular Diseases	male	0	0	0	3	21	25	11	60
	female	0	2	0	5	14	44	24	89
Atherosclerosis	male	0	0	0	0	3	4	1	8
	female	0	0	0	0	3	4	13	20
Pneumonia & Influenza	male	0	0	1	3	2	14	9	29
	female	0	0	0	0	5	12	17	34
Chronic Obstructive Pulmonary Disease	male	0	0	1	1	11	21	4	38
	female	0	0	1	2	7	14	7	31
Ulcer (Stomach & Duodenum)	male	0	0	0	0	0	1	1	2
	female	0	0	0	0	0	0	0	0
Hernia and Intestinal Obstruction	male	0	0	1	0	5	0	1	7
	female	0	0	0	0	1	1	0	2
Chronic Liver Disease	male	0	0	0	4	3	1	0	8
	female	0	1	0	1	2	1	0	5
Nephritis	male	0	0	0	0	1	3	1	5
	female	0	0	0	0	1	4	4	9
<b>SELECTED EXTERNAL CAUSES</b>									
Accidents (all)	male	0	1	0	1	2	1	2	7
	female	0	0	0	0	1	0	0	1
Fracture	male	0	0	0	0	0	0	2	2
	female	0	0	0	0	0	0	0	0
Drowning	male	0	0	0	0	0	0	0	0
	female	0	0	0	0	0	0	0	0
Suffocation/Strangulation	male	0	0	0	1	0	0	0	1
	female	0	0	0	0	0	0	0	0
Concussion	male	0	0	0	0	0	0	0	0
	female	0	0	0	0	1	0	0	1
Suicide	male	0	0	0	0	0	0	0	0
	female	0	0	0	0	0	0	0	0
Homicide	male	1	1	0	0	0	0	0	2
	female	0	0	0	0	0	0	0	0
<b>ALL OTHER CAUSES</b>	male	0	4	5	5	29	33	25	101
	female	0	1	4	10	18	93	56	182

\*Total includes individuals with unknown ages.